

# *Villas at Cattail Creek*

## *2008 Drinking Water Quality Report*

PWSID: 013 0005



### **Important Information about your Drinking Water:**

#### **Special points of Interest:**

- The water at Villas at Cattails Creek was tested for over 120 different compounds
- The Villas at Cattails Creek drinking water met both Federal and State requirements.
- Drinking Water, including bottled water, may reasonably be expected to contain at least small amounts of some compounds. The presence of these compounds does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA's) Safe Drinking Water Act Hotline (1-800-426-4791)

We're pleased to present to you the Annual Water Quality Report for 2008. This report is designed to inform you about the water quality and services we deliver to you every day. Our goal is to provide you with a safe and dependable supply of drinking water. More than 800 tests for over 120 compounds were conducted on the water at Villas at Cattails Creek. Maryland Environmental Service, an Agency of the State of Maryland, prepared this report on behalf of Villas at Cattails Creek. We want you to understand the efforts made to continually improve the water treatment process

The water for Villas at Cattails Creek comes from two wells in the Sykesville formation. After the water is pumped out of the wells, we add disinfectant to protect against microbial contaminants. The Maryland Department of the Environment has performed an assessment of the source water which can be available upon request.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain compounds in water provided by public water systems. We treat our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

and protect our water resources. We are committed to ensuring the quality of your water.

We're pleased to report that your drinking water met both Federal and State requirements. This report shows the water quality and explains what it means.

If you have any questions about this report or have questions concerning your water utility, please contact Mr. Jay Janney at 410-729-8350 or [jjann@menv.com](mailto:jjann@menv.com)

*We want everyone to be informed about their water*

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).



## Water Quality Data

The table below lists all the regulated drinking water contaminants that we detected during the past several years. The presence of these compounds in the water does not necessarily indicate that the water poses a health risk.

Unless other wise noted, the data presented in the table is from testing done January 1 – December 31, 2008. The State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

### Villas at Cattails Creek Treated Water Quality Report 2008

#### Definitions

**Maximum Contaminant Level (MCL)** The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum Contaminant Level Goal (MCLG)** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Action Level** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**ppm** = parts per million or milligrams per liter

**ppb** = parts per billion or micrograms per liter

**pCi/l** = picocuries per liter (a measure of radioactivity)

**mrem/year** = millirems per year (a measure of radiation absorbed by the body)

Contaminant	Highest Level Allowed (EPA's MCL)	Highest Level Detected	Ideal Goal (EPA's MCLG)	Typical Sources of Contaminant
<b>Regulated at the Treatment Plant - Southwest of Glenwood - Plant LD. 01</b>				
<b>Well #1 &amp; 2:</b>				
Gross Alpha	15 pCi/l	1.0 pCi/l	0 pCi/l	Erosion of natural deposits
Gross Beta	4 mrem/year	0.24 mrem/year	mrem/year	Decay of natural deposits
Combined Radium 226 & 228	5 pCi/l	0.2 pCi/l	0 pCi/l	Erosion of natural deposits
Di (2-Ethylhexyl) phthalate (2005 Testing)	6 ppb	0.6 ppb	0 ppb	PVC Plastics
Barium	2 ppm	0.008 ppm	2 ppm	Discharge of drilling waste
Nitrate (Range from <0.1 ppm - 5.16 ppm)	10 ppm	5.16 ppm	10 ppm	Erosion of natural deposits
<b>Regulated at the Distribution System</b>				
Total Trihalomethanes (TTHMs) (Ranges from 0.54 ppb - 5.78 ppb)	80 ppb	5.78 ppb	n/a	By-product of drinking water chlorination
<b>Regulated at the Consumer's Tap</b>				
Copper 2007 Testing	1.3 ppm (action level)	90th percentile = 0.025 ppm	1.3 ppm	Corrosion of household plumbing fixtures and systems

#### RADON:

We constantly monitor the water supply for various constituents. We have detected radon in the water supply on a sample collected on November 7, 2007. At this time, there is no Federal Regulation for radon levels in drinking water. Compared to radon entering the home through soil, radon entering the home through tap water will in most cases be a small source of radon in indoor air. Exposure to air transmitted radon over a long period of time may cause adverse health effects. The radon result of the November sample was 918 pCi/l (pCi/l = picocuries per liter, a measure of radioactivity). When the State/Federal Radon regulation is enacted, the MCL is anticipated to be 4000 pCi/l. For additional information call the EPA radon hotline at 1-800-SOS-RADON

**The sources of drinking water** (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases radioactive material, and can pick up substances resulting from the presence of animals or from human activity.